

Christine Nelson

From: BHillson@aol.com
Sent: Wednesday, February 16, 2011 4:09 PM
To: cnelson@town.old-saybrook.ct.us
Cc: gjacobson@nlja.com
Subject: East-West Access

**PLANNING
COMMISSION
EXHIBIT 123**

Christine,

I believe Jeff has done a great job providing a plan and profile so we can see the impacts of an east-west connector. One thing needs to be remembered, from my perspective, this connector does not need to be a full time road. It only needs to provide emergency access in the event Ingham Hill Road becomes blocked. If desired, it can double as a recreational walking/bike path. Grades acceptable to the Fire Department should be provided.

Bruce

2/16/2011

Christine Nelson

From: Geoffrey L. Jacobson, P.E. [GJacobson@nlja.com]

Sent: Tuesday, February 15, 2011 5:53 PM

To: Christine Nelson

Cc: Mark Branse; Kati Mercier, P.E.

Subject: FW: Preserve East West Access Road Analysis

Attachments: 07190014ENGProfile.pdf; 07190014ENGSlpces.pdf

Christine - In order to provide meaningful input regarding the proposed East-West Connector, we compiled data from a number of sources to produce the two plates that are attached. As you are aware, the information provided by the applicant (deeds, location of proposed route on a 1"=2000' USGS map) was helpful in identifying a potential connector location, but provided little in the way of information (slopes, wetlands, watercourses) necessary to fully evaluate feasibility. A few comments in this regard:

- There are right-of-ways extending from the end of the turnarounds on both Dwayne Road and Kitteridge Hill that extend out to Open Space property owned by the Town of Old Saybrook. However, it is not clear from the information provided by the applicant if the configuration of the Mortali property line as shown on the Old Saybrook Tax Maps will allow for a 50-foot wide right-of-way, or if a lesser width at this isolated location will be sufficient for construction of a roadway. If not, it may be necessary to obtain a very small piece of property from either Mortali, or the owner of subdivision lot #13 on Dwayne Road.
- While subject to an accurate field delineation, it appears as though there may be disturbance within and along a wetland area (just beyond the end of Dwayne Road) to the extent that may require an Army Corps of Engineers permit. In addition there would also appear to be a crossing of a watercourse of some type between Sta. 18+00 and Sta. 19+00.
- In order to skirt around the Mortali property the route goes up an over an existing hill where there is an elevation rise in the range of fifty feet, with slopes on each side of the hill ranging from ten to more than twenty percent for distances of at least a couple hundred feet on each side. To illustrate what this would mean we produced a profile of the existing ground surface along this route and superimposed the maximum permitted road grade of 8% to provide a sense of the cuts and fills that might be encountered.
- The total length of the road connection is approximately 2,700 feet.

While there may be alternate alignments with slightly reduced impacts, we did not make any attempt to optimize the layout, as our function is one of review and not design. Let me know if you have any questions. - Jeff.

From: Kati Mercier, P.E.

Sent: Tuesday, February 15, 2011 4:35 PM

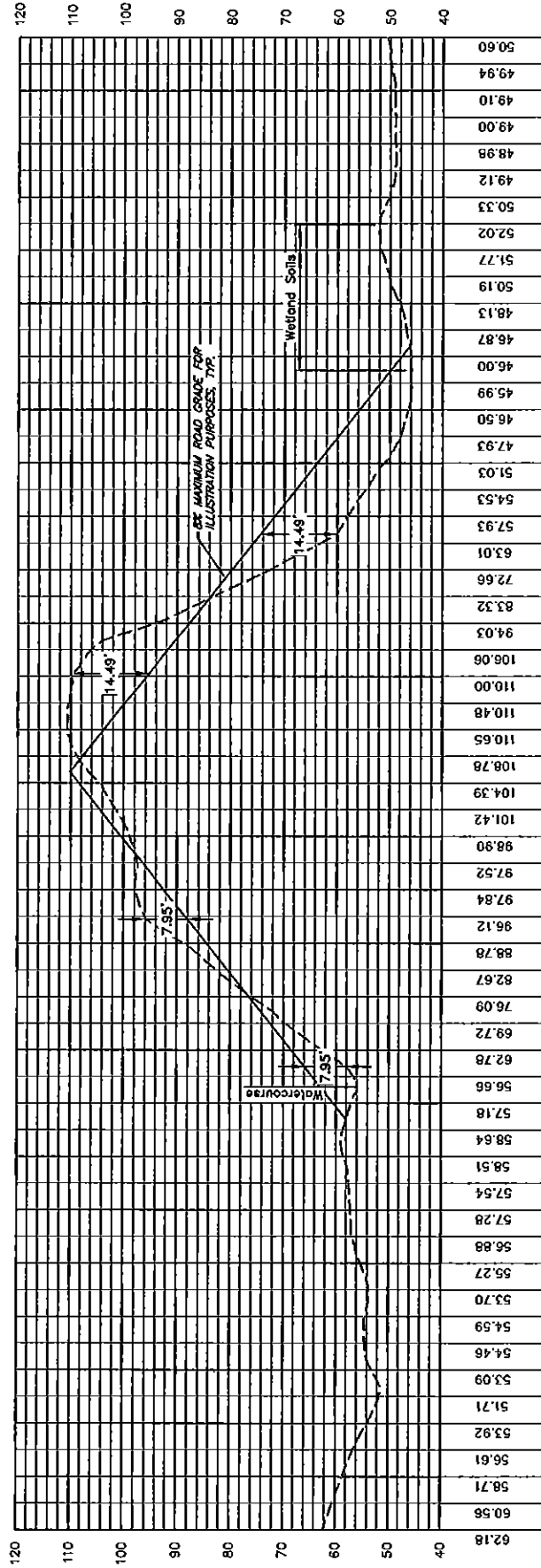
To: Geoffrey L. Jacobson, P.E.

Subject: Preserve East West Access Road Analysis

Attached please find the road analysis for the East-West Access Road.

-Kati


2/16/2011

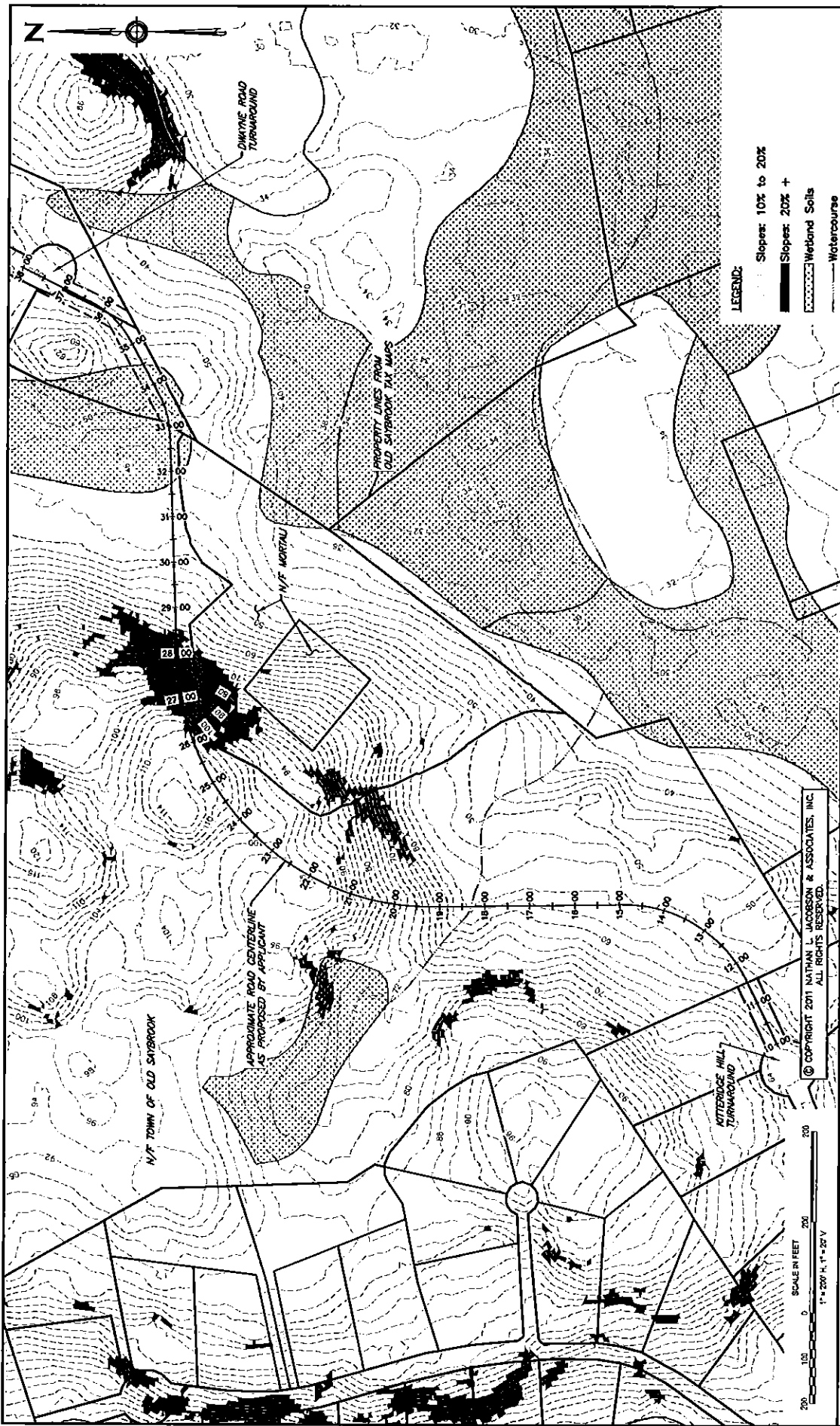


10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00 20+00 21+00 22+00 23+00 24+00 25+00 26+00 27+00 28+00 29+00 30+00 31+00 32+00 33+00 34+00 35+00 36+00 37+00 38+00

CENTERLINE PROFILE

SCALE IN FEET
1" = 200' H, 1" = 20' V
© COPYRIGHT 2011 NATHAN L. JACOBSON & ASSOCIATES, INC.
ALL RIGHTS RESERVED.

 Nathan L. Jacobson & Associates, Inc. 86 Main Street, P.O. Box 337 Chester, Connecticut 06412-0337 Tel: (860) 526-9591 Fax: (860) 526-5416 www.nlja.com Consulting Civil and Environmental Engineers Since 1972		REVISIONS <table border="1"> <thead> <tr> <th>No.</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>		No.	DESCRIPTION	DATE										EAST-WEST ACCESS ROAD ANALYSIS THE PRESERVE OLD SAYBROOK, CONNECTICUT		DATE: 02-15-11 SCALE: 1"=200'H, 1"=20'V PROJECT No.: 07190014 CADD FILE: 07190014ENG	DESIGNED: KLM DRAWN: KLM CHECKED: SHEET No.: 2 of 2
		No.	DESCRIPTION	DATE															



 Nathan L. Jacobson & Associates, Inc. 86 Main Street P.O. Box 337 Chester, Connecticut 06412-0337 Tel: (860) 526-9591 Fax (860) 526-5416 www.nlja.com Consulting Civil and Environmental Engineers Since 1972			EAST-WEST ACCESS ROAD ANALYSIS THE PRESERVE OLD SAYBROOK, CONNECTICUT		DATE:	02-15-11	DESIGNED:	KLM														
<table><thead><tr><th colspan="3">REVISIONS</th></tr><tr><th>No.</th><th>DESCRIPTION</th><th>DATE</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></tbody></table>			REVISIONS			No.	DESCRIPTION	DATE										SCALE:		1"=200'	DRAWN:	KLM
REVISIONS																						
No.	DESCRIPTION	DATE																				
PROJECT No.:			07190014		CHECKED:																	
CADD FILE:			07190014ENG		SHEET No.:	1 of 2																